

Exelon Generation Company, LLC
Braidwood Station
35100 South Rt 53, Suite 84
Braceville, IL 60407-9619
Tel. 815-417-2000

www.exeloncorp.com

October 29, 2004
BW040098

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Braidwood Station, Unit 1
Facility Operating License No. NPF 72
NRC Docket No. STN 50-456

Subject: October 2004, Eleventh Refuel Outage
 Steam Generator Inservice Inspection Report

In accordance with Technical Specification 5.6.9, "Steam Generator (SG) Tube Inspection Reports," Exelon Generation Company, LLC is reporting the number of tubes plugged or repaired during the SG inservice inspection activities conducted during the Braidwood Station, Unit 1 October 2004 eleventh refueling outage. Technical Specification 5.6.9.a requires that following each inservice inspection of the SG tubes, the number of tubes plugged or repaired in each SG shall be reported to the NRC within 15 days.

The Braidwood Station Unit 1 October 2004 eleventh refueling outage SG tube eddy current inspection scope included 100% full-length bobbin coil inspection of the 1B SG. Scope expansion into the 1A, 1C and 1D was also conducted. The 1A, 1C and 1D scope expansion included approximately 22% bobbin coil inspection of the hot leg tubing. In addition, the peripheral tube regions of the cold leg tubing were inspected equaling approximately 15.5% of the cold leg tubing. +PointTM coil inspection was conducted on bobbin coil indications classified as requiring additional diagnostic testing.

The SG tube inspections were completed on October 18, 2004. No tube sleeving was performed during this outage. The Braidwood Unit 1 Steam Generator Tube Plugging Summary summarizes the inspection results during the October 2004 eleventh refueling outage and number of tubes removed from service to date by tube plugging.

AD47

BRAIDWOOD UNIT 1
STEAM GENERATOR
TUBE PLUGGING SUMMARY

	SG A	SG B	SG C	SG D	Total
Previously Plugged	10	12	3	0	25
Plugged During October 2004 Refueling Outage	0	2	2	1	5
Total	10	14	5	1	30

Please direct any questions regarding this submittal to Dale F. Ambler, Braidwood Regulatory Assurance Manager, (815) 417-2800.

Sincerely,



T. P. Joyce
Site Vice President
Braidwood Station

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Braidwood Station